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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/609,438	07/01/2003	Jc-Chang Jeong	Q75265	7906
23373 7590 05/07/2007 SUGHRUE MION, PLLC 2100 PENNSYLVANIA AVENUE, N.W. SUITE 800 WASHINGTON, DC 20037			EXAMINER VO, TUNG T	
			ART UNIT 2621	PAPER NUMBER
			MAIL DATE 05/07/2007	DELIVERY MODE PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Supplemental
Notice of Allowability

Application No.

10/609,438

Examiner

Tung Vo

Applicant(s)

JEONG ET AL.

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 04/05/2007.
2. ☒ The allowed claim(s) is/are 1-16, 65-71 (which were renumbered as 1-23, respectively).
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☒ Certified copies of the priority documents have been received in Application No. 08/024,305.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |

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DETAILED ACTION

Response to Amendment

1. The interview conducted on 01/23/07 with SPRE Kenneth A. Wider and the applicant's representative indicated that the error statement in the Reissue Declaration of the Inventors filed March 31, 2004, appears to be proper.
2. Note applicant timely replies that the requirement directed to surrender the patent is moot in view of the implementation of the amended rule. M.P.E.P 1416.
3. The terminal disclaimer filed 06/21/06 has been approved on 04/12/2007.
4. The rejection of claims 1-16 and 65-71 based on a defective reissue oath/declaration is now withdrawn.

Allowable Subject Matter

5. Claims 1-16, and 65-71 are allowed. Which were renumbered as 1-23, respectively.
6. The following is an examiner's statement of reasons for allowance: The cited prior art does not disclose a signal compressing system, comprising: coding means for simultaneously scanning a first signal according to a plurality of different scanning patterns to provide respective coded versions thereof; selection means for selecting one of said scanning patterns which produces efficient sub-block coding according to a predetermined criterion and for outputting the scanning pattern signal identifying the selected scanning pattern and the selected coded version of said first signal; and a variable length coder to variable length code the received selected coded version of said first signal which is produced by scanning according to the selected

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scanning pattern as specified in claim 1; an image data compressing system comprising: means for obtaining a difference between the present frame and a preceding motion-compensated frame of an image signal; means for coding the difference by discrete cosine transform coding and quantizing the discrete cosine transform coded image signal difference and inverse discrete cosine transform coding the quantized image signal; means for compensating motion of the image signal; means for coding the quantized image signal by variable length coding; a selector for selecting an appropriate image scanning pattern from at least one of a plurality of image scanning patterns; a multi-scanner simultaneously scanning the quantized image signal by various said scanning patterns; a scanning mode selector for selecting a scanning mode in which a number of bits produced from a start to an end of a data sub-block is minimized, wherein said means for coding the image signal output of the scanning mode selector by way of variable length coding; and a multiplexer for multiplexing the variable length coded signal and the scanning pattern selecting signal output by the scanning pattern selector and for outputting the multiplexed signal as specified in claim 7; a signal compressing system for coupling a first signal representing a video signal to a first coder as a selected coded signal, said system comprising: a second coder for simultaneously scanning said first signal according to a plurality of different scanning patterns and producing respective coded signals; and a selector receiving said coded signal for selecting one of said scanning patterns based upon a predetermined sub-block selection criterion and for outputting a scanning pattern signal identifying the selected scanning pattern and said selected coded signal as specified in claim 8; a decoder for decompressing a compressed video signal, the compressed video signal containing entropy encoded data representing a set of video spatial frequency coefficients of an individual sub-block which have been scanned using a

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selected one of a plurality of different scanning patterns to produce a set of reordered coefficients, and also containing a scanning mode signal indicating the selected one of plurality of different scanning patterns, the decoder comprising: a entropy decoder operative to decode the entropy encoded data, said entropy encoded data being Huffman coded, and to output entropy decoded data; and a scanner operative to scan the entropy decoded data according to the one selected pattern of the plurality of different scanning patterns as indicated by the scanning mode signal as specified in claims 16 and 65.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."


Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tung Vo whose telephone number is 571-272-7340. The examiner can normally be reached on Monday-Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mehrdad Dastouri can be reached on 571-272-7418. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



Tung
Primary Examiner
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